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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/524,587	02/15/2005	Pedro Serna	47092.00112	6554

32294 7590 01/24/2007
SQUIRE, SANDERS & DEMPSEY L.L.P.
14TH FLOOR
8000 TOWERS CRESCENT
TYSONS CORNER, VA 22182

EXAMINER

TRAN, PABLO N

ART UNIT	PAPER NUMBER
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2618

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	01/24/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary

Application No.

10/524,587

Applicant(s)

SERNA ET AL

Examiner

Pablo N. Tran

Art Unit

2618

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>02/15/05</u> . | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

2. Claims 1-15 are rejected under 35 U.S.C. 102(a) as being anticipated by Leroy et al. (EP1071296A1).

As per claims 1, 11, and 15, Leroy et al. disclosed a method of forwarding a data packet to a connection-oriented network, comprising the steps of broadcasting said data packet from a routing device to a plurality of access devices of a connection-oriented network using a broadcast address, checking at each of said plurality of access devices whether a multicast destination address of said data packet is supported, and forwarding said data packet from a supporting one of said plurality of access devices to said multicast destination address [0004-0006, 0012-0015, 0021-0024, 0033-0034].

As per claim 2, Leroy et al. disclosed wherein said broadcast address is Predefined [0004-0006, 0012-0015, 0021-0024, 0033-0034].

As per claim 3, Leroy et al. disclosed wherein said connection-oriented network is a cellular network [0004-0006, 0012-0015, 0021-0024, 0033-0034].

As per claim 4, Leroy et al. disclosed wherein said data packet is an IP data Packet [0004-0006, 0012-0015, 0021-0024, 0033-0034].

As per claims 5, 7, and 13, Leroy et al. disclosed wherein said multicast destination address is a network-layer address and said broadcast address is a link-layer address [0004-0006, 0012-0015, 0021-0024, 0033-0034].

As per claim 6, Leroy et al. disclosed wherein said access devices store mappings between supported destination addresses and their link-layer addresses [0004-0006, 0012-0015, 0021-0024, 0033-0034].

As per claim 8, Leroy et al. disclosed wherein said destination address is an address of a mobile node [0004-0006, 0012-0015, 0021-0024, 0033-0034].

As per claim 9, Leroy et al. disclosed of encapsulating said data packet into a link-layer frame comprising said broadcast address [0004-0006, 0012-0015, 0021-0024, 0033-0034].

As per claims 10 and 12, Leroy et al. disclosed wherein said access devices discard or drop said data packet if they don't support said multicast destination address [0004-0006, 0012-0015, 0021-0024, 0033-0034].

As per claim 14, Leroy et al. disclosed wherein said access device comprises a cellular access point [0004-0006, 0012-0015, 0021-0024, 0033-0034].

Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Pablo Tran whose telephone number is (571)272-7898.

Art Unit: 2618

The examiner normal hours are 9:30 -5:00 (Monday-Friday). If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Urban, can be reached at (571)272-7899. The fax phone number for the organization where this application or proceeding is assigned is (571)273-8300.

4. 333 Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) System. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-directauspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

PABLO N. TRAN
PRIMARY EXAMINER

January 21, 2007

A handwritten signature in black ink, appearing to be 'P. Tran', with a stylized, flowing script.

AV2618